

*Please amend the Abstract as follows:*

Abstract

A multi-beam lens antenna for individual communication with communication satellites spaced at small elongations. The multi-beam antenna comprises ~~antenna elements~~ primary feeds 3 each of which is composed of a waveguide having an opening at the end and a dielectric body 6 disposed at the end, a hemispherical Luneberg electromagnetic radio wave lens, and a reflective plate attached to the circular opening of the hemispherical electromagnetic radio wave lens and adapted for reflecting a radio wave incoming from the sky or emitted toward a target. The waveguides are preferably rectangular waveguides 4 rather than circular waveguides 5. The dielectric bodies 6 are preferably tapered.